

# MATERIAL SAFETY DATA SHEET

DATE PREPARED: 08/08/2001



MSDS No: 7122

ORTHO® Ant-B-Gon™ Dust

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ORTHO® Ant-B-Gon™ Dust

**PRODUCT DESCRIPTION:** Insecticide

### MANUFACTURER

The ORTHO Group  
P.O. Box 1749  
Columbus, OH 43216

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**Emergency Phone:** 1-800-225-2883

**EPA REG. NO.:** 1021-1749-239 **PN:** 7068

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
Permethrin	0.25	52645-53-1
Other Ingredients	99.75	

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## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### IMMEDIATE CONCERNS:

- HARMFUL IF ABSORBED THROUGH THE SKIN
- CAUSES EYE IRRITATION
- AVOID CONTACT WITH EYES, SKIN, OR CLOTHING
- WASH HANDS BEFORE EATING, DRINKING, CHEWING GUM, USING TOBACCO, OR USING THE TOILET
- KEEP OUT OF REACH OF CHILDREN

### POTENTIAL HEALTH EFFECTS

**EYES:** Eye contact may cause discomfort, tearing, swelling, redness, and blurred vision. See Toxicology Information, section 11.

**SKIN:** This substance is not expected to cause prolonged or significant skin irritation. If absorbed through the skin, this substance is considered practically non-toxic to internal organs. See Toxicological Information, section 11.

**INGESTION:** Ingestion may cause irritation of the digestive tract which may include nausea, vomiting, and diarrhea. If swallowed, this substance is considered slightly toxic to internal organs. See Toxicological Information, section 11.

**INHALATION:** The systemic toxicity of this substance has not been determined, however, it should be practically non-toxic to internal organs if inhaled. This substance may be irritating to the respiratory tract if inhaled. See Toxicological Information, section 11.

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## 4. FIRST AID MEASURES

**EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**SKIN:** If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**INGESTION:** If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never give anything by mouth to an unconscious person.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTES TO PHYSICIAN:** Synthetic pyrethroids are neuropoisons acting on the axons in the peripheral and central nervous systems by interacting with sodium channels in insects or mammals. Toxic signs in mammals include tremors, hyperexcitability, salivation, and paralysis. Atropine and pralidoxime (2-PAM) are of no benefit as cholinesterases are unaffected. Supportive therapy should be administered based on the signs and symptoms present. Vitamine E oil applied dermally may relieve cutaneous paresthesias following skin contact.

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## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Non-combustible solid.

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, dry chemical, or foam.

**HAZARDOUS COMBUSTION PRODUCTS:** Normal combustion forms carbon dioxide, water vapor and may produce hydrochloric acid gas. Incomplete combustion can produce carbon monoxide and hydrogen chloride.

**EXPLOSION HAZARDS:** Product contains dust particles that may be explosive if mixed with air in critical proportions and in the presence of an ignition source.

**FIRE FIGHTING PROCEDURES:** Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Keep containers cool with a water spray. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and fire fighting equipment before reuse. Read the entire document.

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## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Sweep up material and use according to label instructions or dispose of in the trash.

**LARGE SPILL:** Clean up spills immediately, observing precautions in Exposure Controls/ Personal Protection section. Vacuum with machines equipped with high efficiency filters or sweep up material and place in a disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with Oil Dry, cat litter, clay, rags or other absorbent and place in a disposable container. Dispose of in accordance with instructions in Section 13. "DISPOSAL".

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## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep pesticide in original container. Do not put into food or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably locked storage area.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

## PERSONAL PROTECTION

**EYES AND FACE:** Where there is significant potential for eye contact, wear chemical goggles and have eye flushing equipment available.

For application of product in accordance with label instructions, no special eye protection is needed.

**SKIN:** Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type of glove for given application. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash thoroughly after handling.

**RESPIRATORY:** Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment (full facepiece recommended) when airborne exposure limits are exceeded (see below). If used, full facepiece replaces need for chemical goggles. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 C.F.R. 1910.134.

For application of product in accordance with label instructions, no special respiratory protection is required.

**COMMENTS:** Nuisance Dust (OSHA) - 15 mg/m<sup>3</sup> (Total Dust), 5 mg/m<sup>3</sup> (Respirable Fraction). Particulates Not Otherwise Classified (PNOC) ACGIH- 10 mg/m<sup>3</sup> (Inhalable Particulate), 3 mg/m<sup>3</sup> (Respirable).

## OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
Permethrin	None	None	None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid

**pH:** 5.37 @ 5% in water.

**PERCENT VOLATILE:** Negligible

**SOLUBILITY IN WATER:** Immiscible

**DENSITY:** 0.529 g/cc

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Avoid contact with acids and bases.

**HAZARDOUS DECOMPOSITION:** May decompose under fire conditions emitting gases and vapors (i.e. oxides of carbon and hydrogen chloride) which may be toxic and irritating to the respiratory tract.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** (Rabbits) Mild irritation to rinsed and unrinsed eyes.

**DERMAL LD<sub>50</sub>:** (Rabbits) >2,000 mg/kg body weight.

**ORAL LD<sub>50</sub>:** (Rats) >5,000 mg/kg body weight.

**INHALATION LC<sub>50</sub>:** EPA Toxicity Category IV - "Practically Nontoxic".

**SENSITIZATION:** No product data available.

### CARCINOGENICITY:

**IARC:** Permethrin is classified by IARC as Group 3, Unclassifiable as to carcinogenicity in humans.

**CARCINOGENICITY COMMENTS:** None of the ingredients present in this product at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH, as being carcinogens.

**GENERAL COMMENTS:** Persons having a history of insecticide exposure to pyrethrins may experience upper airway irritation and lower airway reactions, such as coughing, wheezing, or shortness of breath, particularly in sensitized individuals. Persons who cannot tolerate chrysanthemums, pyrethrins, and other synthetic pyrethroids may not tolerate permethrin.

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# 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This material is toxic to fish. Keep out of any body of water. Do not contaminate water used for irrigation or domestic purposes. Do not contaminate water by cleaning of equipment or disposal of wastes.

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# 13. DISPOSAL CONSIDERATIONS

**FOR LARGE SPILLS:** Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

**EMPTY CONTAINER:** Do not reuse container. Wrap empty container in several layers of newspaper and discard in trash.

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# 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not DOT regulated

**U.S. SURFACE FREIGHT CLASS:** Insecticides, Fungicides, Insect or animal repellents or vermin exterminators, NOI, Other than poison

**SPECIAL SHIPPING NOTES:** The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

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# 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE: YES	CHRONIC: NO	FIRE: NO	REACTIVITY: NO	PRESSURE GENERATING: NO

**313 REPORTABLE INGREDIENTS:** Permethrin. (CAS 52645-53-1) De Minimis Concentration for Section 313 of EPCRA is 1.0%.

## **CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA RQ:** Pyrethrins = 1 Lb.

## **TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All non FIFRA regulated components are on the US EPA's TSCA Inventory List.

**CARCINOGEN:** Permethrin has been designated as a possible human carcinogen (Group C) by the U.S. EPA.

## **STATE REGULATIONS**

**PROPOSITION 65 STATEMENT:** No ingredients on list.

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# **16. OTHER INFORMATION**

## **NFPA CODES**

**FIRE: 0 HEALTH: 1 REACTIVITY: 0**

**APPROVAL DATE:** 08/08/2001

**REVISION SUMMARY** New MSDS

**COMMENTS:** Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**MANUFACTURER DISCLAIMER:** The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.